FIG. 1

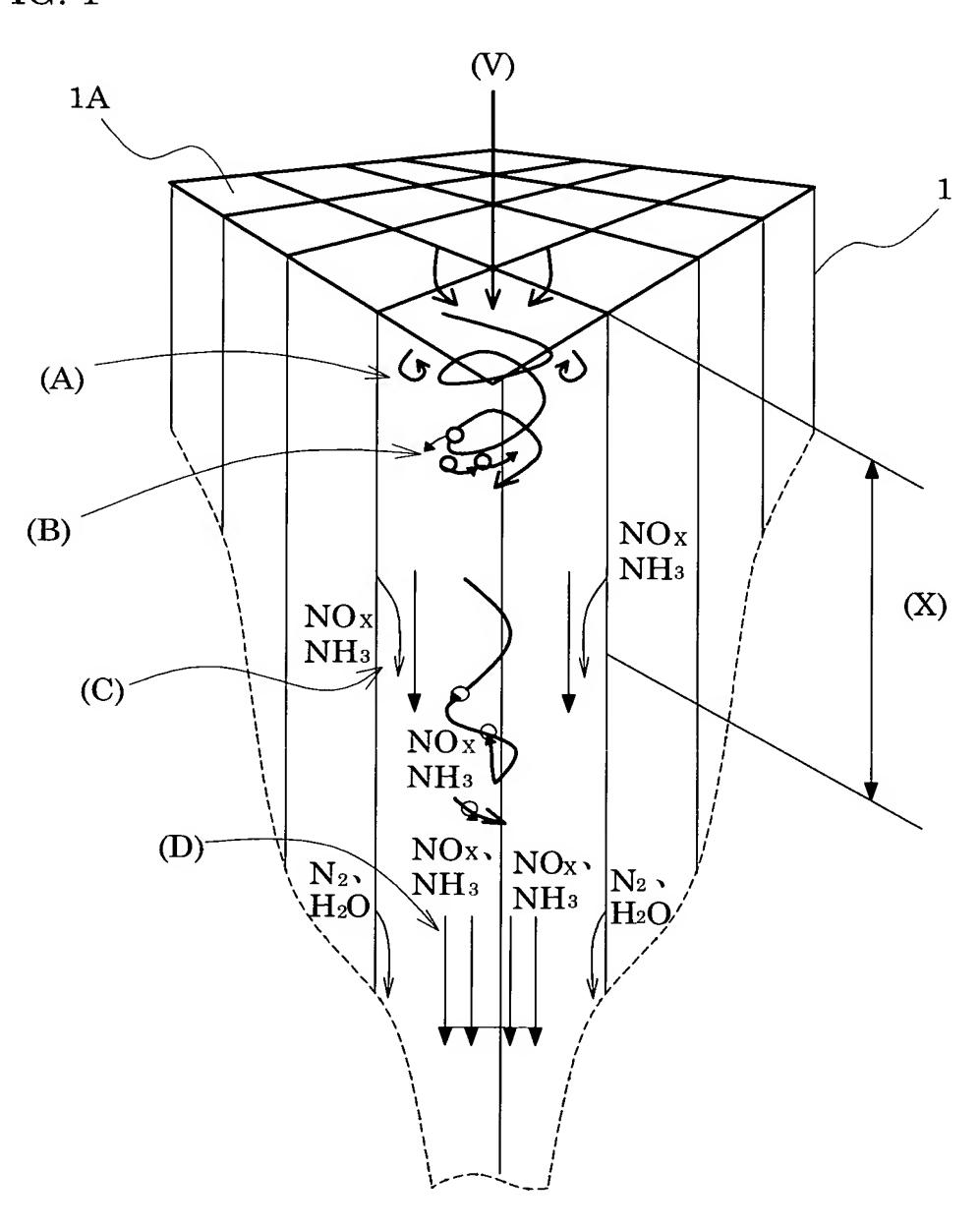


FIG. 2

Sustained turbulent flow distance and Uin \cdot Ly

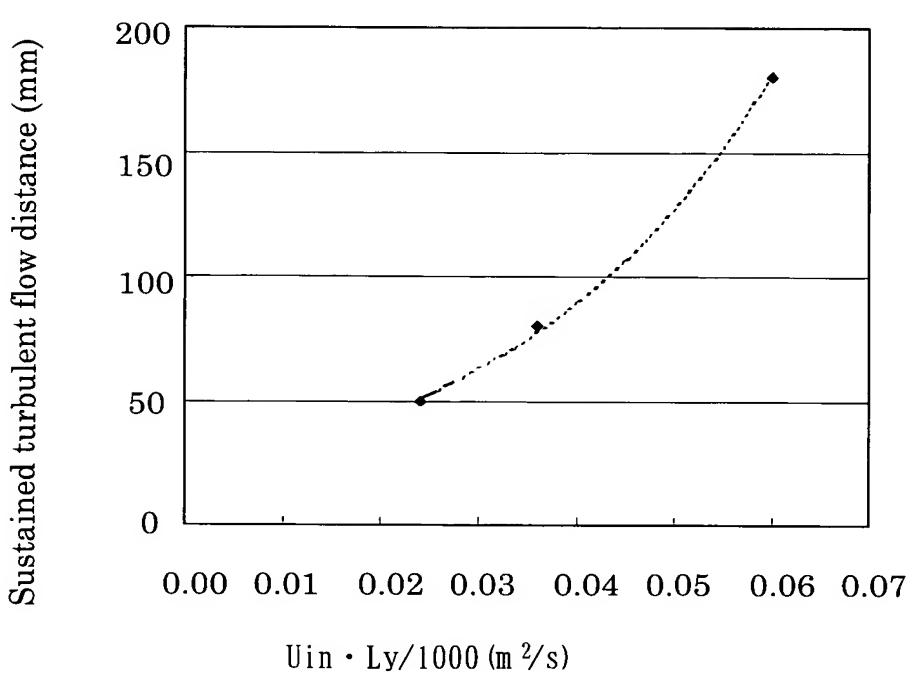
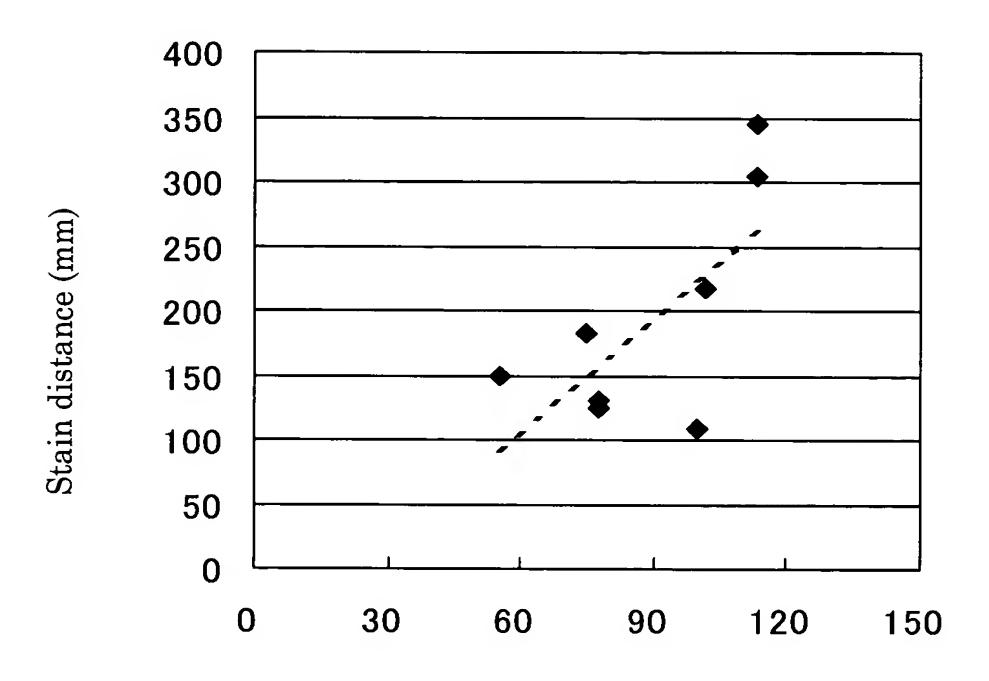


FIG. 3

Sustained turbulent flow distance and catalyst stain distance

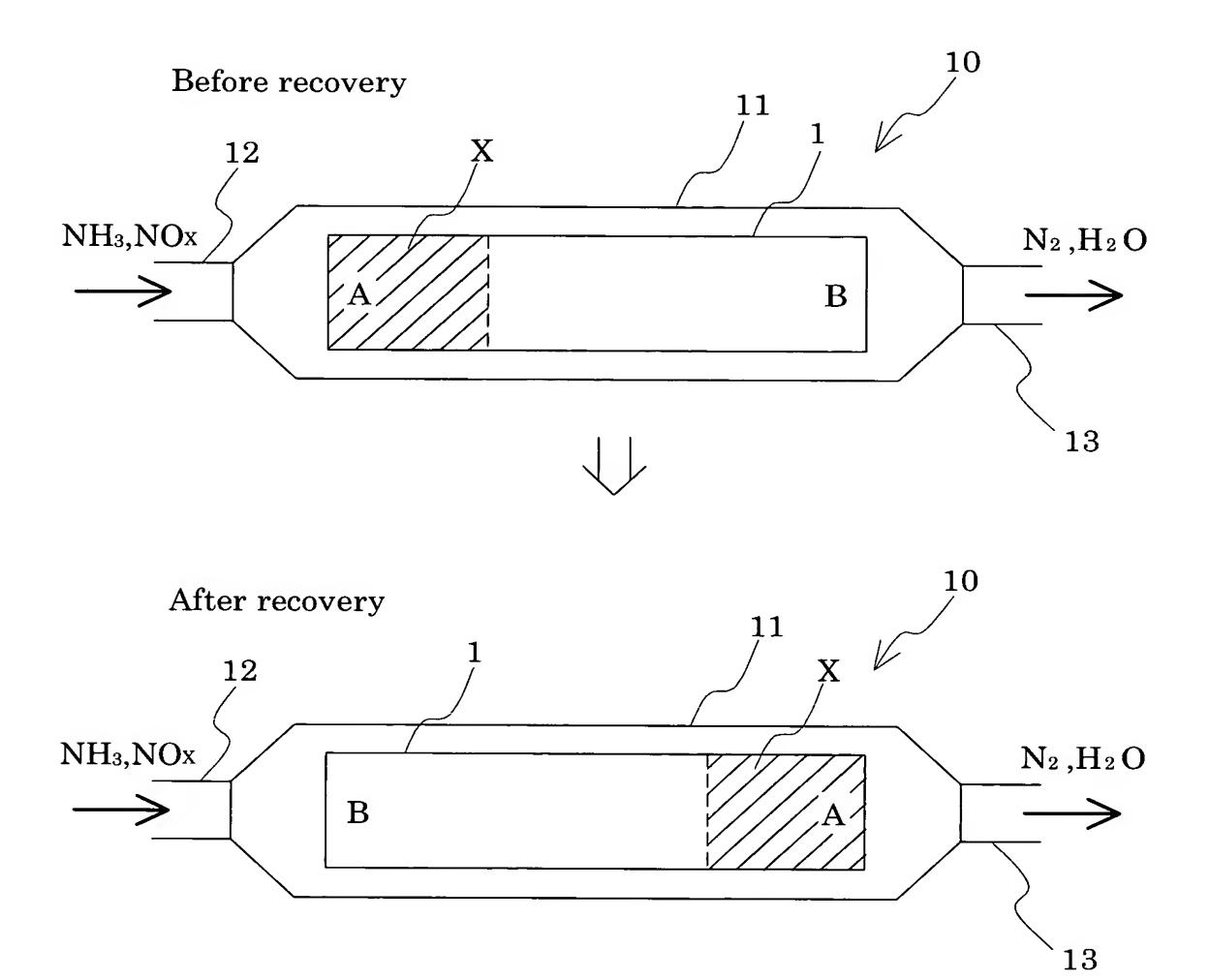


Sustained turbulent flow distance (mm)

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FIG. 4



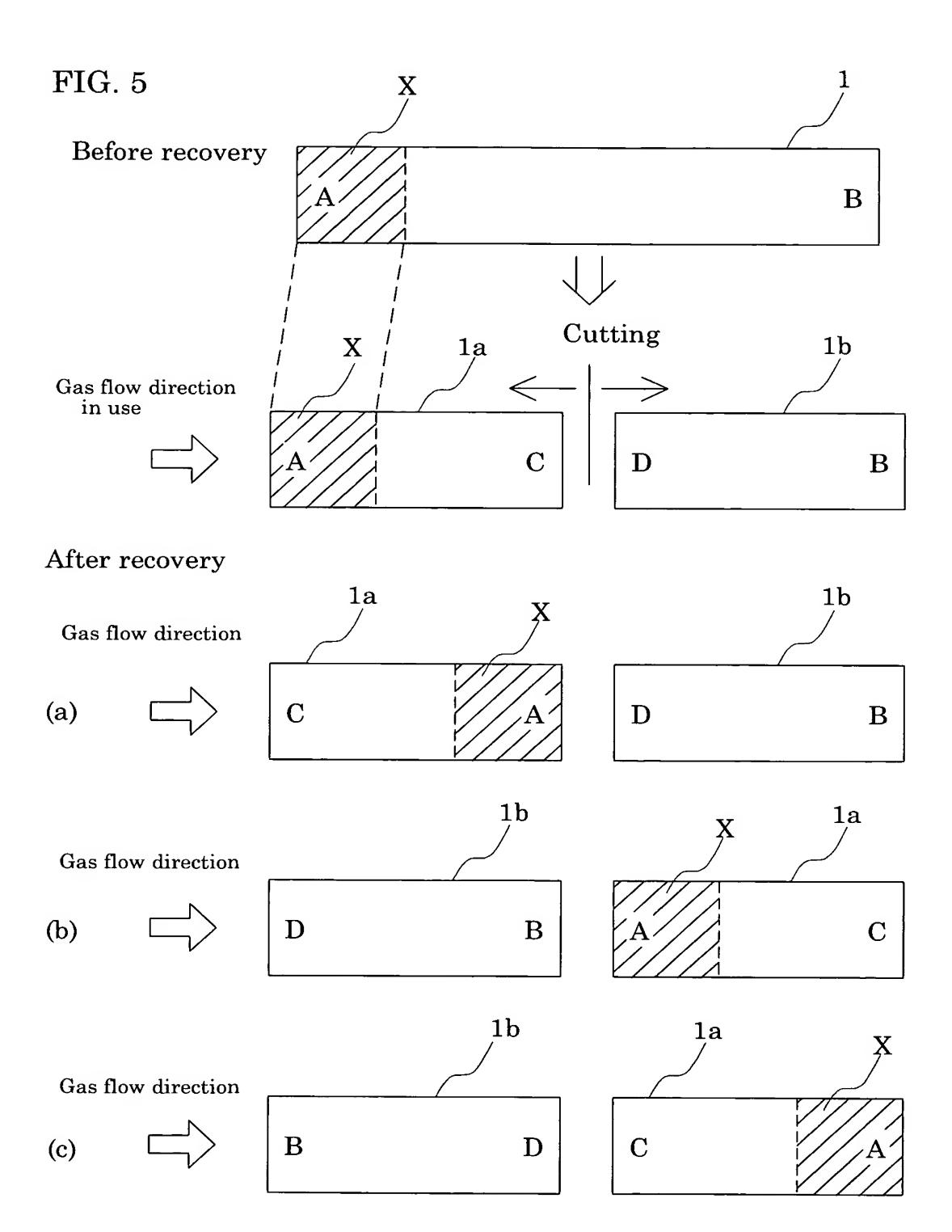
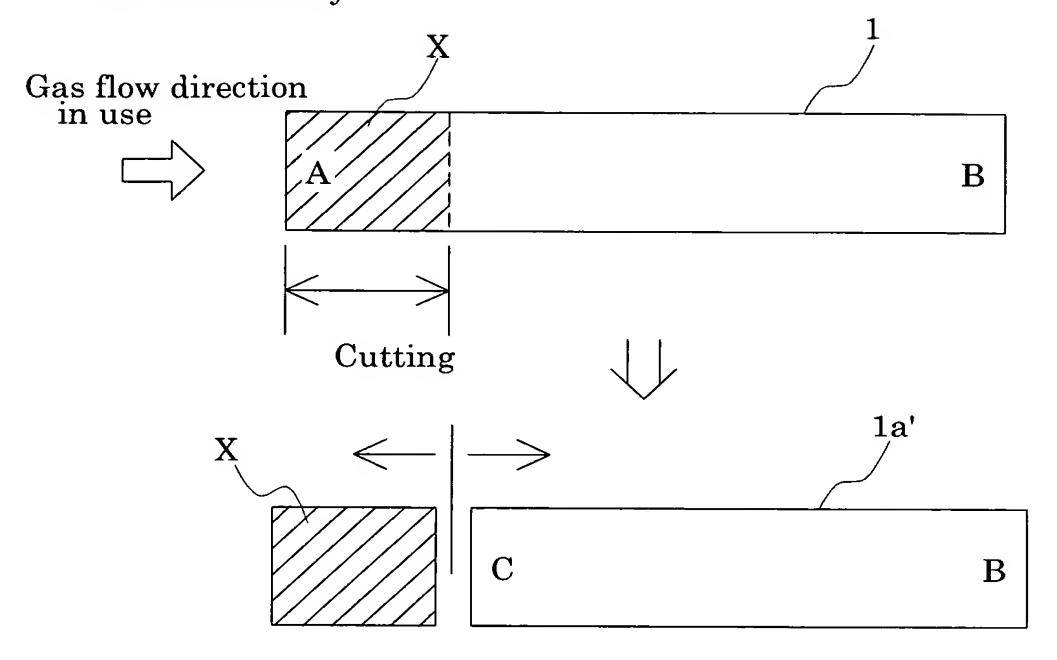


FIG. 6

Before recovery



After recovery

Gas flow direction



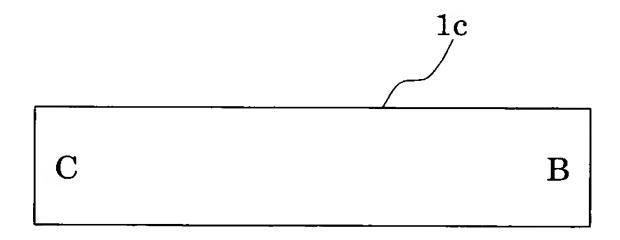


FIG. 7

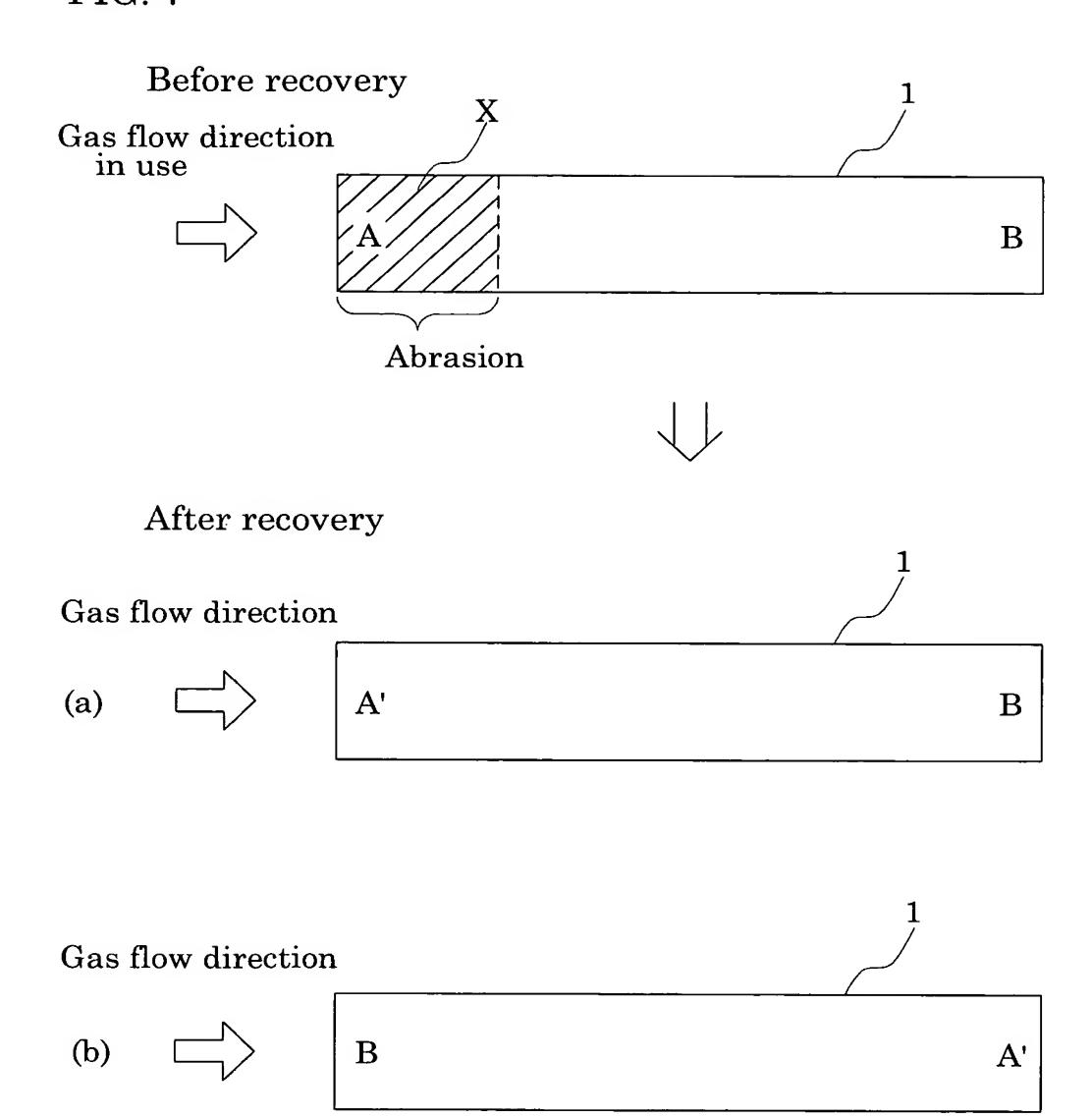
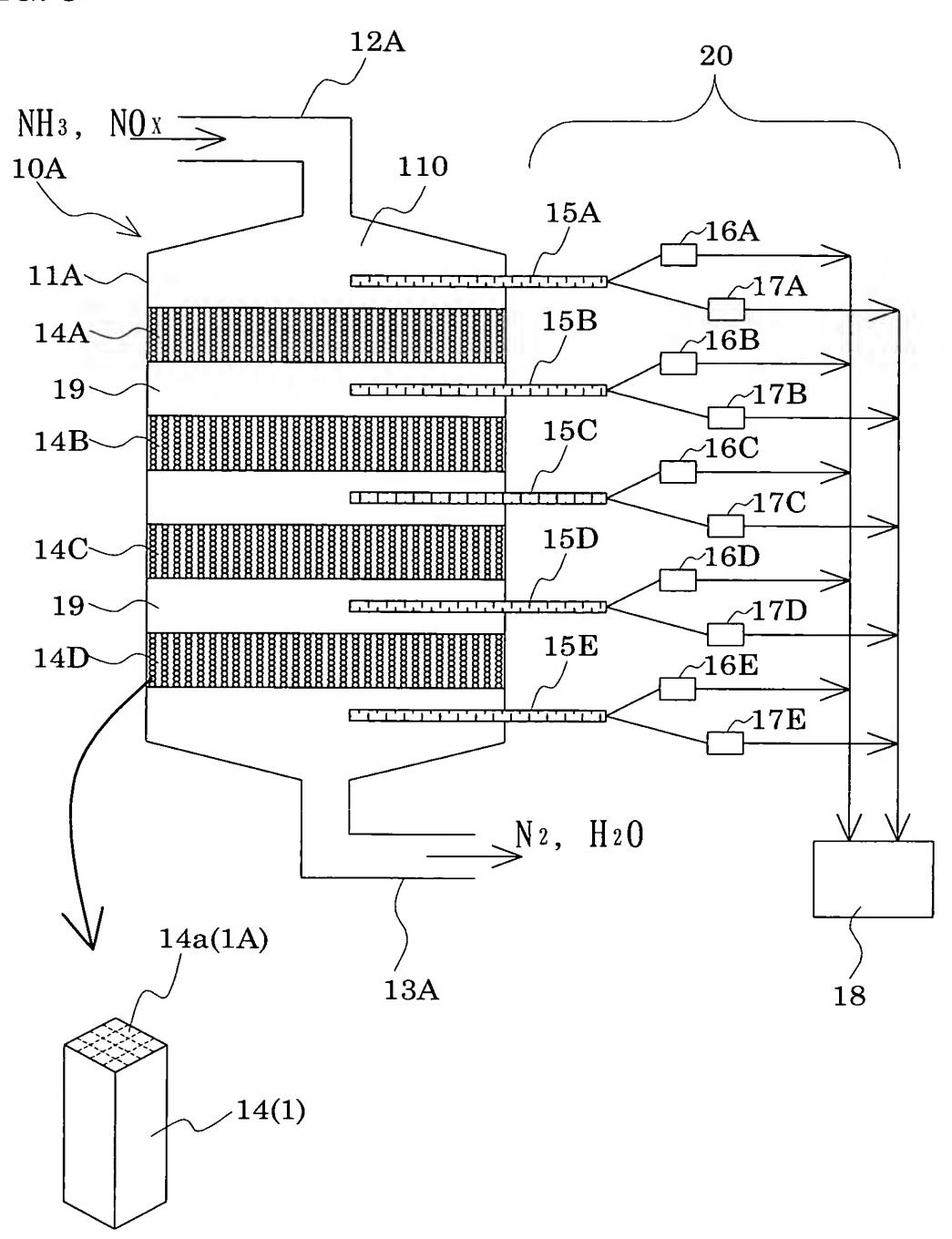


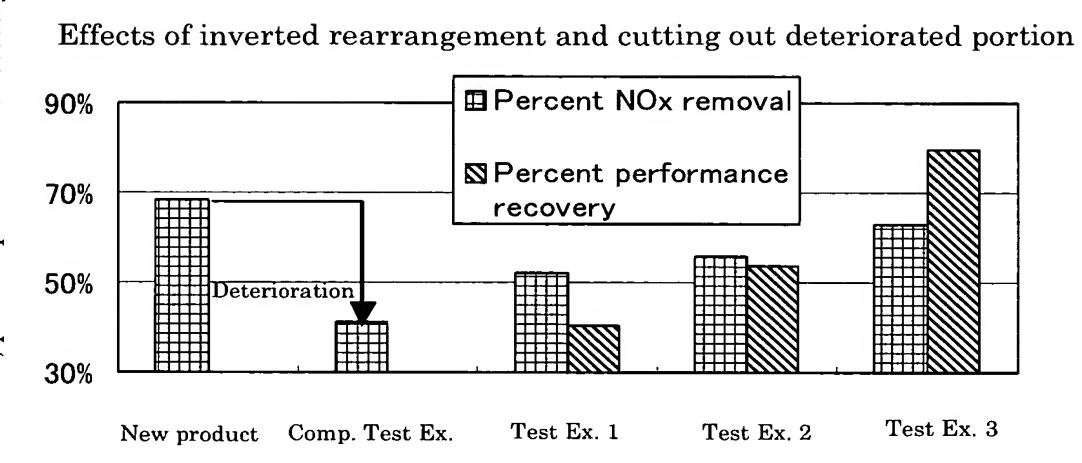
FIG. 8



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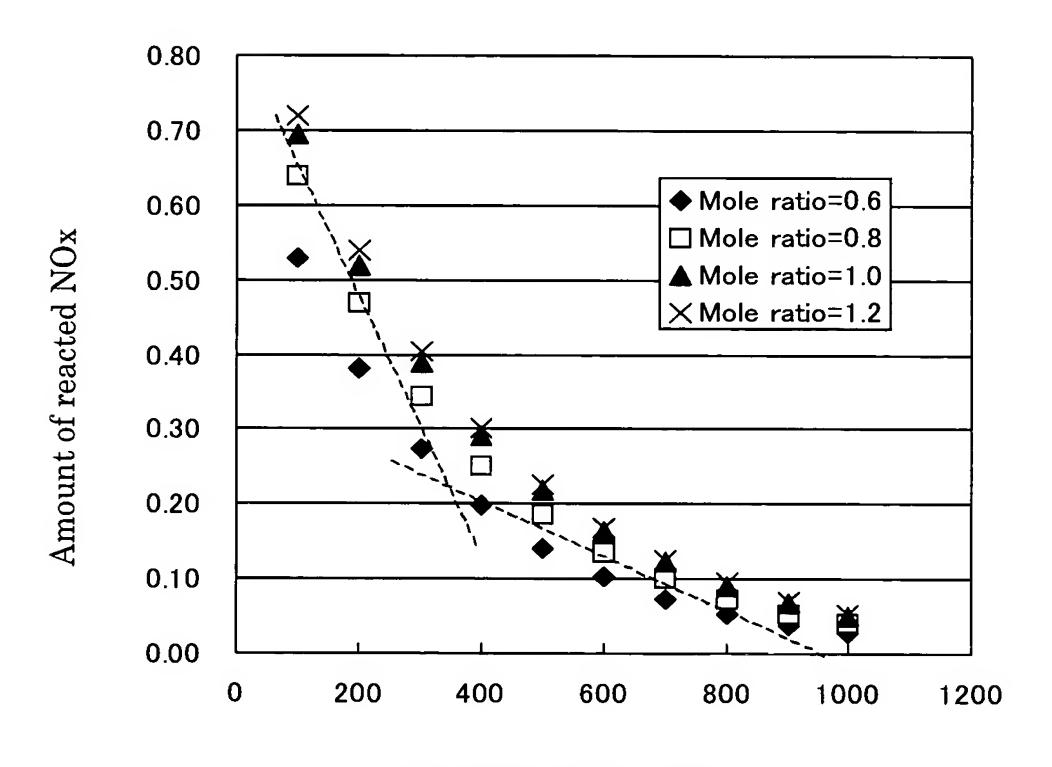
FIG. 9



Percent NOx removal, percent performance recovery (%)

FIG. 10

Amount of reacted NOx per unit length



Catalyst length (mm)